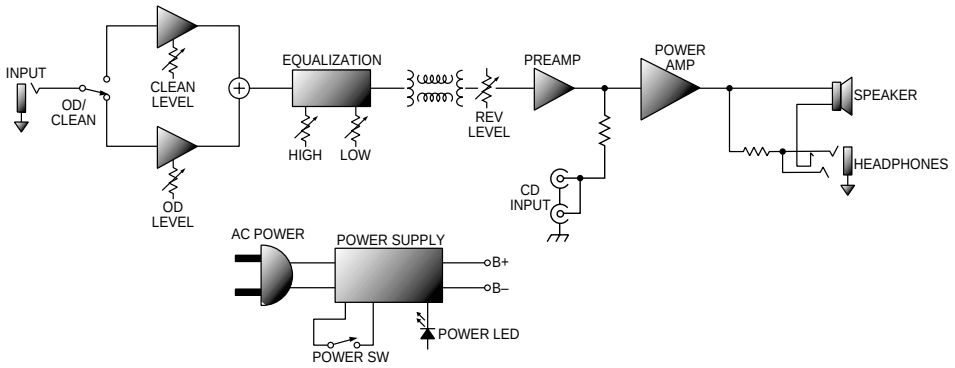
TG10R TECHNICAL SPECIFICATIONS:

Output Power Rating	15 watts
THD	0.9% 20Hz - 20kHz
Signal To Noise	-58dB
Input Signal Level	50mV
Input Impedance	600 ohms
Speaker	8” 8 ohm 30 watt
Input Power Requirements	120 VAC, 60Hz, 30VA 230VAC, 50Hz, 30VA
Cabinet Size and Weight	12” H x 12-1/2” W x 7” D, 16.5 lbs.

The TG10R is covered with a durable Tolex material: wipe it clean with a lint-free cloth.
Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which would damage the finish.

Crate continually develops new products, as well as improves existing ones. For this reason, the specifications and information in this manual are subject to change without notice.

Block Diagram:



CRATE

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CRATE

TG10R

Guitar Amplifier

User’s Guide

Congratulations and thank you for choosing the Crate TG10R Guitar Amplifier. This rugged amplifier provides you with serious clean and distorted sounds and features two bands of equalization, reverb, CD Input jacks, and a jack for headphones.

In order to get the most out of your new amplifier, we strongly urge you to read this user's guide before you begin playing.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

PRECAUCION
RIESGO DE CORRIENTAZO
NO ABRA

PRECAUCION: PARA REDUCIR EL RIESGO DE INCENDIOS O DESCARGAS ELECTRICAS, NO PERMITA QUE ESTE APARATO QUEDE EXPUESTO A LA LLUVIA O LA HUMEDAD. PARA DISMINUOIR EL RIESGO DE CORRIENTAZO. NO ABRA LA CUBIERTA. NO HAY PIEZAS ADENTRO QUE EL USARIO PUEDO REPARAR DEJE TODO MANTENIMIENTO A LOS TECHNICOS CALIFICADOS.

ATTENTION
RISQUE D'ELECTROCUTION
NE PAS OUVRIR

ATTENTION: PROTÉGEZ CET APPAREIL DE LA PLUIE ET DE L'HUMIDITÉ AFIN D'ÉVITER TOUT RISQUE D'INCENDIE OU D'ÉLECTROCUTION. POUR REDUIRE D'ELECTROCUTION NE PAS ENLEVER LE COUVERCLE. AUCUNE PIECE INTERNE N'EST REPRABLE PAR L'UTILISATEUR. POUR TOUTE REPARATION, S'ADRESSER A UN TECHNICIEN QUALIFIE.

IMPORTANT SAFETY INSTRUCTIONS

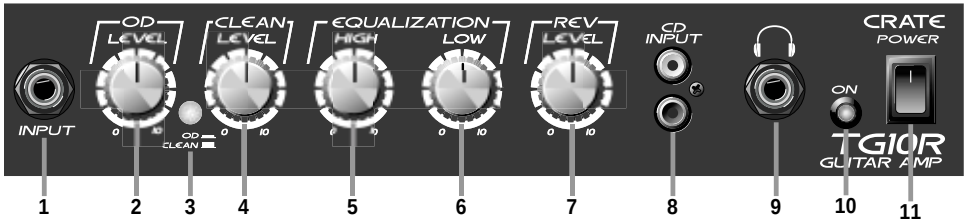
- READ, FOLLOW, HEED, AND KEEP ALL INSTRUCTIONS AND WARNINGS.
- DO NOT OPERATE NEAR ANY HEAT SOURCE AND DO NOT BLOCK ANY VENTILATION OPENINGS ON THIS APPARATUS. FOR PROPER OPERATION, THIS UNIT REQUIRES 3" (75mm) OF WELL VENTILATED SPACE AROUND HEATSINKS AND OTHER AIR FLOW PROVISIONS IN THE CABINET.
- DO NOT USE THIS APPARATUS NEAR SPLASHING, FALLING, SPRAYING, OR STANDING LIQUIDS.
- CLEAN ONLY WITH LINT-FREE DAMP CLOTH AND DO NOT USE CLEANING AGENTS.
- ONLY CONNECT POWER CORD TO A POLARIZED, SAFETY GROUNDED OUTLET WIRED TO CURRENT ELECTRICAL CODES AND COMPATIBLE WITH VOLTAGE, POWER, AND FREQUENCY REQUIREMENTS STATED ON THE REAR PANEL OF THE APPARATUS.
- PROTECT THE POWER CORD FROM DAMAGE DUE TO BEING WALKED ON, PINCHED, OR STRAINED.
- UNPLUG THE APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.
- ONLY USE ATTACHMENTS, ACCESSORIES, STANDS, OR BRACKETS SPECIFIED BY THE MANUFACTURER FOR SAFE OPERATION AND TO AVOID INJURY.
- WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK OR FIRE, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
- SERVICE MUST BE PERFORMED BY QUALIFIED PERSONNEL.
- OUR AMPLIFIERS ARE CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS. CONTINUED EXPOSURE TO HIGH SOUND PRESSURE LEVELS CAN CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED AND EAR PROTECTION IS RECOMMENDED IF UNIT IS OPERATED AT HIGH VOLUME.

EXPLANATION OF GRAPHICAL SYMBOLS:
EXPLICACION DE SIMBOLOS GRAFICOS:
EXPLICATION DES SYMBÔLES GRAPHIQUES:

= "DANGEROUS VOLTAGE" "VOLTAJE PELIGROSO" "DANGER HAUTE TENSION"

= "IT IS NECESSARY FOR THE USER TO REFER TO THE INSTRUCTION MANUAL" "ES NECESARIO QUE EL USUARIO SE REFIERA AL MANUAL DE INSTRUCCIONES." "REFERREZ-VOUS AU MANUAL D'UTILISATION"

CRATE TGIOR Guitar Amplifier



1: INPUT: Connect your guitar to this jack by means of a shielded instrument cable.

2: OD LEVEL: Use this control to adjust the volume and intensity of the Overdrive channel. This control is only active when the OD/Clean switch (#3) is depressed.

3. OD/CLEAN: Use this switch to select the OD channel (switch depressed) or the Clean channel (switch in the out position). The OD channel gives you sounds ranging from crunchy rhythm to screaming leads, while the Clean channel gives you sounds from sparkling clean to slightly crunchy.

4: CLEAN LEVEL: Use this control to adjust the volume of the Clean channel. This control is only active when the OD/Clean switch (#3) is in the out position.

5: HIGH: Use this control to adjust the output level of the high frequencies. Rotating this control counter clockwise reduces the high frequency output; rotating it clockwise increases it.

6: LOW: Use this control to adjust the output level of the low frequencies. Rotating this control counter clockwise reduces the low frequency output; rotating it clockwise increases it.

7. REV LEVEL: Use this control to adjust the amount of reverberation added to the signal. With the control in the fully counter clockwise position the signal is "dry" (no reverb). As you rotate the control clockwise the amount of reverb increases.

8. CD INPUT: Use these RCA jacks to connect an external source (such as a CD player, tape player or rhythm machine) to the amplifier. The signal at these jacks is summed into a mono signal which is sent to the internal power amp circuit. Use the external source's output level control to adjust the signal for the proper mix with your instrument.

9: HEADPHONES: Use this jack to connect a pair of stereo headphones for private listening. The external speaker is disconnected when headphones are in use.

10: POWER LED: This LED illuminates when power is applied to the amplifier.

11: POWER SWITCH: Use this switch to turn the amplifier on (top of the switch depressed) and off (bottom of the switch depressed).

12: AC LINE IN: (Rear panel, not shown) The grounded power cord should only be plugged into a grounded power outlet that meets all applicable electrical codes and is compatible with the voltage, power, and frequency requirements stated on the rear panel. **Do not attempt to defeat the safety ground connection.**